

Laucks

Testing Laboratories, Inc.

940 South Harney St., Seattle, Washington 98108 (206)767-5060

Chemistry, Microbiology, and Technical Services



Certificate

CLIENT: Duwamish Yacht Club Inc.
1801 South 93rd Street
Seattle, WA 98108
ATTN: Werner Otto/Eileen

LABORATORY NO. 90364

DATE: July 18, 1985

REPORT ON: SOIL

SAMPLE IDENTIFICATION

Sampled by us on June 26, 1985 from the area where club dredge spoils were deposited on City Light Property.

The method of sampling consisted of taking 9-1 foot core samples from representative areas in the field. Samples were composited into one sample and homogeneously mixed. The composite was then analyzed with results as follow.

TESTS PERFORMED AND RESULTS:

PCBs, parts per million (mg/kg) ----- 0.05

Sample was analyzed for Halogenated Hydrocarbons in accordance with Washington State Department of Ecology WAC 173-303 with results as follow:

Halogenated Hydrocarbons*, ----- <10.
parts per million (mg/kg),
as received basis

* reported as the sum of the halogens bromide, chloride, fluoride and iodide.
A value of less than 100 mg/kg is classified as undesignated waste.

Sample was analyzed also for Gravimetric Polycyclic Aromatic Hydrocarbons in accordance with Washington State Department of Ecology WAC 173-303. The method requires analysis of the sample through successive stages until the result obtained is less than 1% by weight (as received basis) or until the fourth stage has been completed. Results are as follow:

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Certificate

PAGE NO. 2

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<u>Stage:</u>	<u>% by weight, as received basis*</u>
1. Soxhlet Extraction	0.14
2. Acid-base clean up	0.09
3. Silica gel chromatography	0.03

* for 4,5,6 membered rings

Sample was further analyzed for E.P. Toxicity in accordance with Test Methods for Evaluating Solid Wastes, U.S.E.P.A., July, 1982. The extractions were performed under Method 1310; metals analyses were performed using the 7000 series of methods.

	<u>concentration, mg/L</u>	
	<u>Sample</u>	<u>MCL</u>
Arsenic	<0.2	0.5
Barium	0.2	10.
Cadmium	<0.01	0.1
Chromium	<0.1	0.5
Lead	<0.1	0.5
Mercury	<0.002	0.02
Selenium	<0.1	0.1
Silver	<0.1	0.5
Copper	<0.1	---
Nickel	<0.1	---
Zinc	0.2	---

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PAGE NO. 3

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Key

MCL = Maximum Contamination Level allowed per regulation.

< = Less than

Respectfully submitted,

Laucks Testing Laboratories, Inc.

J. M. Owens

JMO:rtv



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